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SMD Operations Procedures Manual

8.1.3.11 OPERATION OF COOLDOWN #2 SYSTEM

Text Pages 1 through 2

Hand Processed Changes

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Approved:

Division Head

Date

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8.1.3.11 Operation of Cooldown #2 System

1.0 Purpose

This procedure provides instructions for STARTUP/SHUTDOWN and operation.

2.0 Responsibilities and Scope

Operator is responsible for STARTUP/SHUTDOWN and operation of Cooldown #2.

3.0 Prerequisites

- 3.1 Operator shall be trained by a supervisor or an authorized operator.
- 3.2 Training shall include operation of 100 HP Sullairs, Cooldown #1, Test and Measure, Mycom compressor and the Model 4000 refrigerator (MAGCOOL Refrigerator).

4.0 Precautions

- 4.1 Hearing protection will be worn in the Compressor Rooms and in the Refrigeration Room. (MODEL 4000).
- 4.2 Ensure only authorized personnel are on Cooldown #2, or are escorted by an authorized person.

5.0 Procedure

- 5.1 **Test and measure system must be running**, with liquid He in Pre-cooler and Sub-cooler pots.
- 5.2 To remove magnet from Cooldown #1.
 - 5.2.1 Page D9, cursor to Cooldown #1, Press **CLEAR**. Enter in Logbook.
- 5.3 To install magnet in Cooldown #2.
 - 5.3.1 Display Pg. D9, cursor on Cooldown #2, Press **SET**. Enter in Logbook.

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5.4 Magnet is completed when done **FLAG** appears.

5.4.1 Done flag appears at 10^0 K.

5.5 Operation of Cooldown #2 is computer controlled.

6.0 Documentation

6.1 Documentation is kept in the MAGCOOL logbook located in Building 902.

7.0 References

7.1 Operations and Maintenance manual provided by CVI is kept in the MAGCOOL Control Room located in Building 902.

7.2 An Operators Problem Guide and Operations Guide is give to all operators and a copy is kept in the MAGCOOL Control Room located in Building 902.

8.0 Attachments

None